

CONSTELLATION

BY

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Master of Music

Claude Baker, Director of Thesis

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星宿

CONSTELLATIONS

为管弦乐队而作

For orchestra

(2018)

魏至功

Wei Zhigong

INSTRUMENTATION

2 Flutes (2nd flute doubling Piccolo)

2 Oboes

2 Clarinets in B-flat

2 Bassoons

4 Horns in F

3 Trumpets in C

3 Trombones

1 Tuba

Timpani (32", 29", 26", 23")

Percussion (2 players)

I: 2 Anvils (high& low; may be shared); Tam-tam (32"); Suspended Cymbal (18"); Chimes (Shared); Vibraphone; Marimba; Snare Drum; Tenor Drum

II: 2 Anvils (high& low; may be shared); Triangle; Mark Tree; Suspended Cymbal (18"); Tam-tam; Chimes (Shared); 5 Tom-toms (high to low); 3 Temple Blocks (high to low); Snare Drum; Bass Drum

Harp

Piano

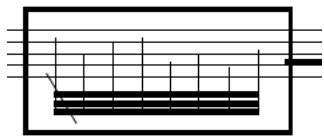
Strings (12, 10, 8, 6, 4)

(N.B: All instruments are transposed.)

PERFORMANCE NOTES

All grace notes should be played before the beat.

Woodwinds:



Play key clicks as fast as possible and repeat for the duration indicated

Percussion:



Scraping from center to the edge of Tam-tam with triangle beater



Rubbing paper rapidly over timpani



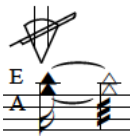
Rubbing paper rapidly over vibraphone bars on low registers

String Instruments:

- sp sul ponticello
- esp extreme sul ponticello
- st sul tasto
- ord ordinary
- mv molto vibrato
- nv non vibrato



strong and short stroke on the side of bridge



play right behind the bridge on E string and A string

Duration: approximately 12 minutes

PROGRAM NOTES

在中国古代，大概距今 4500 年前，人们已经发现了星座和星座的运行轨迹，甚至观测北斗七星用以判断方向。人们甚至给了这些星座很浪漫的名字，比如说牛郎织女星。在现代社会，年轻人们喜欢用星座去猜测他人的性格，不同的出生日期会有不同的影响，并且这个影响可以是长期的也可以是短期的。从某种角度讲，我是相信星座论的，它绝不是空穴来风，就像中国伟大的易经把天地人串联在一起一样，我也相信在我们生存的这个三维世界里万物众生都互相存在着联系。这种联系就像链条一样，或者说像一个无形且巨大的网。在佛教里，这种联系叫做因果。在基督教里，这叫做爱。就如歌者在《三体》中的诗：

我看到了我的爱恋

我飞到她的身边

我捧出给她的礼物

那是一小块凝固的时间

时间上有美丽的条紋

摸起来像浅海的泥一样柔软

她把时间涂满全身

然后拉起我飞向存在的边缘

这是灵态的飞行

我们眼中的星星像幽灵

星星眼中的我们也像幽灵

In ancient China, about 4500 years ago, people had already identified different constellations and their moving trajectory. People used the Big Dipper to find direction and even gave some constellations very romantic names, such as Altair and Vega. On the other hand, in the modern age, young people would like to use zodiac signs for surmising and guessing other's personalities. Even different dates are thought to influence a person's horoscope, career, love, etc- and this influence can be long-term or short-term. From a broad point of view, I do trust this kind of comprehensive constellation theory. It's definitely not pulled out of thin air. Just like the great Chinese 'I Ching' theory organized god, world and humans together and connected them in a series, I do believe all things in our three-dimensional world are connected to each other. Sometimes it is like a chain. Sometimes it is like a massive invisible net. In Buddhism, it is called Karma. In Christianity, this is called love. In the past, I always could feel a mystery and strong power from stars or from other dimensions, and I always had a lot of dreams which seem like my memories, but that are actually unreal. Just like the universe singer's poem said in 'Three body problems':

I see my love,

I fly next to her;

I present her with my gift,

a small piece of solidified time.

Lonely markings are carved into time

As soft to the touch as the mud in shallow sea.

She covers her body with time,

And pulls me along to fly to the edge of existence.

This is a spiritual flight.

In our eyes, the stars appear as ghosts;

In the eyes of the stars, we appear as ghosts.

星宿 Constellation

♩ = ca. 56

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星宿
Constellation

This page of a musical score is divided into several systems of staves. The first system includes woodwinds (Flute I & II, Oboe I & II, Clarinet I & II, Bassoon I & II) and strings (Violin I & II, Viola, Violoncello, Double Bass). The second system includes Horns I & II, Trumpets I & II, Trombones I, II, & III, and Timpani. The third system includes Percussion (Cymbal, B.D., Rainstick, Vibraphone) and Piano/Harp. The fourth system includes Violins I & II, Viola, Violoncello, and Double Bass. The score features various musical notations, including notes, rests, dynamics (ppp, p, f, mf), and performance instructions such as 'key clicks', 'Rubbing paper (Tabloid 11x17) as fast as possible in low register', and 'medium yarn mallets'. The time signature is 3/4.

星宿
Constellation

This page of a musical score is divided into several sections for different instruments:

- Woodwinds:** Flutes I & II, Oboes I & II, and Clarinets I & II. Flutes and Oboes have glissando and harmonic markings. Oboes and Clarinets have instructions to "Keep at forte until 3rd beat".
- Brass:** Bassoons I & II and Horns I, II, III, & IV. Bassoons have "key clicks" and "Playing as fast as possible" markings. Horns have "a2 (air sound)" markings.
- Percussion:** Timpani (Timp.), Percussion I & II, and Piano (Pno.)/Harp (Hp.). Timp. and Perc. I have detailed instructions for playing techniques like "Rubbing paper on the 26\" drum" and "medium felt mallets". Perc. II has instructions for "down to up" and "triangle beater".
- Strings:** Violins I & II, Viola (Vla.), Violoncello (Vlc.), and Double Bass (D.B.). Violins and Viola have "col legno" and "Playing as fast as possible on random pitches" markings. Vlc. and D.B. have "arco" and "div." markings.

The score is written in a standard musical notation with various dynamics (mf, p, f, sfz, pp, ppp) and articulations (gliss., (harm)). It includes performance instructions such as "Keep at forte until 3rd beat" and "Playing as fast as possible". The percussion section includes specific instructions for the tam-tam and triangle. The string section includes instructions for arco and col legno playing.

星宿
Constellation

Constellation

D R

星宿
Constellation

23

I. Fl.

II. Fl.

I. Ob.

II. Ob.

I. Cl.

II. Cl.

I. Bsn.

II. Bsn.

I. Hn.

II. Hn.

III. Hn.

IV. Hn.

I. C Tpt.

II. C Tpt.

I. Tbn.

II. Tbn.

III. Tbn.

IV. Tbn.

Timp.

Marimba

I. Perc.

Cymbal

II. Perc.

Pno.

Hp.

Vln. I

Vln. II

Vla. (div.)

Vlc. (div.)

D.B.

23

3

7

3

6

7

ff

f

6

10

p

5

3

6

mf

f

5

p

pp

mp

sfz

3

6

ff

sfz

3

6

mf

f

5

p

mp

sfz

7

p

sfz

7

mp

open

pp

open

pp

p

3

f

p

p

f

p

pp

f

gliss.

p

mf

p

gliss.

p

7

p

pp

8^{va}

pp

ord

sp

gliss.

mf

p

ord

sp

gliss.

mf

p

ord

sp

gliss.

p

f

ord

sp

gliss.

p

mf

p

mp

p

mp

pp

a2

p

ord

sp

gliss.

mf

p

mf

p

♩=ca.60

Constellation

26

Fl. I. *sfpp*

Fl. II. *sfpp*

Ob. I.

Ob. II.

Cl. I. *sfpp*

Cl. II.

Bsn. I.

Bsn. II.

Hn. I. III.

Hn. II. IV.

C Tpt. I. *ff*

C Tpt. II.

Tbn. I.

Tbn. II.

Tbn. III.

Tbn. Tb.

Timp. *ffpp*

Perc. I. *pp* *ff* *p* *f*

Perc. II. *pp* *f* *sfz* *mf*

Pno. *mf* *cresc.*

Hp. *pp* *mf*

Vln. I. *pp* *ord* *col legno* *sfz* *pp* *div. arco*

Vln. II. *pp* *ord* *col legno* *sfz*

Vla. (div.) *pp* *morendo* *f*

Vlc. *pp* *ffpp*

D.B. *pp* *ffpp*

星宿
Constellation

[illegible]

星宿
 Constellation

Sub! ♩ = ca. 76

I.

Fl.

II.

Picc.

I.

Ob.

II.

I.

Cl.

II.

I.

Bsn.

II.

I.

Hn.

II.

IV.

I.

C Tpt.

II.

I.

Tbn.

II.

III.

Tb.

I.

Timp.

I.

Perc.

II.

I.

Pno.

II.

Hp.

I.

Vln. I

II.

Vln. II

I.

Vla.

II.

Vlc.

I.

D.B.

星宿
Constellation

This page of a musical score is for a symphony, featuring a variety of instruments. The score is written in 4/4 time and includes dynamic markings, articulation, and performance instructions.

Instruments and Parts:

- Flutes (Fl.):** I, II
- Oboes (Ob.):** I, II
- Clarinets (Cl.):** I, II
- Bassoons (Bsn.):** I, II
- Horns (Hn.):** I, II, III, IV
- Trumpets (C Tpt.):** I, II
- Trombones (Tbn.):** I, II, III
- Timpani (Timp.):**
- Percussion (Perc.):** Cymbal, Xylophone, T.B.
- Piano (Pno.):**
- Harp (Hp.):**
- Violins (Vln.):** I, II
- Viola (Vla.):**
- Violoncello (Vlc.):**
- Double Bass (D.B.):**

Key Features:

- Dynamic Markings:** *ffz*, *pp*, *f*, *mp*, *mf*, *fz*, *ff*, *fff*, *p*, *mf*, *f*.
- Articulation:** *pizz.*, *gliss.*, *col legno*, *div. tutti*.
- Performance Instructions:** *gliss.*, *col legno*, *div. tutti*.

Constellation

♩ = ca. 92

[illegible]

星宿
 Constellation

Musical score for "Constellation" (星宿). The score is written for a large orchestra and includes the following instruments and parts:

- Flute (Fl.):** I. and II. parts. I. part includes a "Flute" marking and dynamic markings *p* and *ff*. II. part includes dynamic markings *f* and *ff*.
- Oboe (Ob.):** I. and II. parts. I. part includes dynamic markings *sfz* and *ff*. II. part includes dynamic markings *p* and *ff*.
- Clarinet (Cl.):** I. and II. parts. I. part includes dynamic markings *p* and *ff*. II. part includes dynamic markings *p* and *ff*.
- Bassoon (Bsn.):** I. and II. parts. I. part includes dynamic markings *ff* and *fff*. II. part includes dynamic markings *ff* and *fff*.
- Horn (Hn.):** I. and II. parts. I. part includes dynamic markings *p* and *ff*. II. part includes dynamic markings *p* and *ff*.
- Trumpet (C Tpt.):** I. and II. parts. I. part includes dynamic markings *p* and *ff*. II. part includes dynamic markings *p* and *ff*.
- Trombone (Tbn.):** I. and II. parts. I. part includes dynamic markings *sfz* and *ff*. II. part includes dynamic markings *ff* and *f*.
- Timpani (Timp.):** I. and II. parts. I. part includes dynamic markings *pp* and *ff*. II. part includes dynamic markings *f* and *f*.
- Percussion (Perc.):** I. and II. parts. I. part includes dynamic markings *p* and *mf*. II. part includes dynamic markings *f* and *f*.
- Piano (Pno.):** I. and II. parts. I. part includes dynamic markings *sfz* and *f*. II. part includes dynamic markings *p* and *f*.
- Harp (Hp.):** I. and II. parts. I. part includes dynamic markings *p* and *f*. II. part includes dynamic markings *f* and *f*.
- Violin (Vln.):** I. and II. parts. I. part includes dynamic markings *fp* and *f*. II. part includes dynamic markings *fp* and *f*.
- Viola (Vla.):** I. and II. parts. I. part includes dynamic markings *fp* and *f*. II. part includes dynamic markings *fp* and *f*.
- Violoncello (Vlc.):** I. and II. parts. I. part includes dynamic markings *fp* and *f*. II. part includes dynamic markings *fp* and *f*.
- Double Bass (D.B.):** I. and II. parts. I. part includes dynamic markings *fp* and *f*. II. part includes dynamic markings *fp* and *f*.

The score includes various dynamic markings such as *p* (piano), *f* (forte), *sfz* (sforzando), *ff* (fortissimo), and *fff* (fortississimo). It also includes articulation markings like accents, slurs, and breath marks. The score is written in 3/4 time and includes a key signature of one sharp (F#).

星宿
 Constellation

53

I.

Fl.

II.

I.

Ob.

II.

I.

Cl.

II.

I.

Bsn.

II.

53

I.

III.

Hn.

II.

IV.

I.

C Tpt.

II.

I.

Tbn.

II.

III.

Tb.

53

Timp.

53

I.

Perc.

II.

53

Pno.

53

Hp.

53

Vln. I

Vln. II

Vla.

Vlc.

D.B.

Sub! ♩ = ca. 120

page 14

星宿
Constellation

♩ = ca. 92

This page of the musical score is divided into several systems of staves, each representing a different section of the orchestra. The top system includes Flutes (Fl.), Oboes (Ob.), Clarinets (Cl.), and Bassoons (Bsn.). The middle system includes Horns (Hn.), Trumpets (Tpt.), Trombones (Tbn.), and Timpani (Timp.). The percussion section (Perc.) is shown below the timpani, including a Tam-tam, Vibraphone, and Cymbal. The piano (Pno.) and harp (Hp.) are also included. The bottom system features the string section, with Violins I and II (Vln. I, Vln. II), Viola (Vla.), Violoncello (Vlc.), and Double Bass (D.B.).

The score is written in a key signature of one sharp (F#) and a 4/4 time signature. It includes various musical notations such as notes, rests, and dynamic markings. The dynamics range from *ff* (fortissimo) to *ppp* (pianississimo), with intermediate markings like *sfz* (sforzando), *mf* (mezzo-forte), and *f* (forte). Performance instructions include *rit.* (ritardando), *Change to Picc.* (change to piccolo), and *Perc.* (percussion). The score also features a tempo marking of $\text{♩} = \text{ca. } 92$ at the top right.

The page number 60 is visible in the top left corner. The score is a high-quality, professional-grade musical score, likely from a major publisher.

星宿
Constellation

This page of a musical score contains the following elements:

- Instrument Staves:**
 - Flutes (Fl.):** I. and II. (Picc.)
 - Oboes (Ob.):** I. and II.
 - Clarinets (Cl.):** I. and II.
 - Bassoons (Bsn.):** I. and II.
 - Horns (Hn.):** I. III. and II. IV.
 - Trumpets (C Tpt.):** I. and II.
 - Trombones (Tbn.):** I. II. and III. Tb.
 - Timpani (Timp.):**
 - Percussion (Perc.):** I. and II.
 - Piano (Pno.):**
 - Harp (Hp.):**
 - Violins (Vln.):** I. and II.
 - Viola (Vla.):** (div.)
 - Violoncello (Vlc.):**
 - Double Bass (D.B.):**
- Musical Notation:**
 - Measures 66-71 are shown.
 - Violins I and II have complex melodic lines with triplets and slurs.
 - Viola, Violoncello, and Double Bass have sustained notes.
 - Flute II has a melodic line starting in measure 66.
- Dynamics and Performance Instructions:**
 - Violins I and II:** *sfz*, *ff*, *p* sub., *mf*, *sfp*, *sf*, *f*, *sub. p*, *mp* no cresc.
 - Flute II:** *sfz*, *ff*, *p* sub., *mp* no cresc.
 - Viola, Vlc., D.B.:** *sfp*, *p*
- Other Markings:**
 - "Change to Fl" for Flute II in measure 70.
 - "(div.)" for Viola.
 - "esp ord" for Viola, Vlc., and D.B. in measures 70-71.

星宿
Constellation

[illegible]

星宿
Constellation

This image shows a page from a musical score, specifically measures 78 through 83. The score is arranged in systems for various instruments. The top section includes woodwinds (Flute I & II, Oboe I & II, Clarinet I & II) which are mostly silent, indicated by whole rests. Below them are the Basset Horns (I & II), Horns (I, III, IV and II, IV), Trumpets (C Tpt. I & II), Trombones (Tbn. I, II, III, Tb.), Timpani (Timp.), and Percussion (Perc.). The Percussion part features a Tam-tam instrument with a note in measure 78 marked 'mf' and a 'heavy yarn beater' instruction. The string section at the bottom consists of Violins I & II, Viola (Vla.), Violoncello (Vlc.), and Double Bass (D.B.). Measures 78-80 show complex rhythmic patterns for the violins, including triplets and accents, while the other strings play sustained notes or simple rhythms. Dynamic markings like 'ff', 'f', 'fp', and 'p' are used throughout. Measure numbers 78, 79, 80, 81, 82, and 83 are printed above their respective staves.

星宿
Constellation

84

Fl. I. *f* 3 5

Fl. II. *f* 3 5

Ob. I. *mf* *f*

Ob. II. *mp* *f*

Cl. I. *p* *f*

Cl. II. *p* *f*

Bsn. I. *ffp* *ff*

Bsn. II. *ffp* *ff*

Hn. I. III. *sfp* *fp* *fp* *fp* *fp* *fp*

Hn. II. IV. *sfp* *fp* *fp* *fp* *fp* *fp*

C Tpt. I. *sfp* *fp* *fp* *fp* *fp* *fp*

C Tpt. II. *sfp* *fp* *fp* *fp* *fp* *fp*

Tbn. I. *ff* *f* *p* *f*

Tbn. II. *ff* *f* *p* *f*

Tbn. III. *ff* *f* *p* *f*

Tbn. IV. *ff* *f* *p* *f*

Timp. *fp* *f*

Perc. I. *sfz* *pp* *f*

Perc. II. *f* *p*

Pno. *p* *f*

Hp. *p* *f*

Vln. I. *p* *ff* *f*

Vln. II. *p* *ff* *f*

Vla. (div.) *ff* *p*

Vlc. *ff* *p*

D.B. *ff* *p*

星宿
Constellation

This page of a musical score is for a symphony, featuring multiple staves for various instruments. The instruments listed on the left are:

- Fl. (Flute) I, II
- Ob. (Oboe) I, II
- Cl. (Clarinet) I, II
- Bsn. (Bassoon) I, II
- Hn. (Horn) I, II, III, IV
- C Tpt. (Trumpet) I, II
- Tbn. (Trombone) I, II, III, IV
- Timp. (Timpani)
- Perc. (Percussion) I, II
- Pno. (Piano)
- Hp. (Harp)
- Vln. I (Violin I)
- Vln. II (Violin II)
- Vla. (Viola)
- Vlc. (Violoncello)
- D.B. (Double Bass)

The score includes various musical notations such as notes, rests, and dynamic markings (e.g., *ff*, *f*, *mp*, *p*, *pp*, *fz*). It also features performance instructions like "secco.", "open", "mute", "hammer", and "Cymbal". The page is numbered 90 in the top left corner.

Constellation

D.B.

星宿
Constellation

This is a page of a musical score, likely for a symphony, featuring various instruments. The score is written in standard musical notation with various dynamics and performance instructions.

Instruments and Parts:

- Flutes (Fl.):** I, II
- Oboes (Ob.):** I, II
- Clarinets (Cl.):** I, II
- Bassoons (Bsn.):** I, II
- Horns (Hn.):** I, II, III, IV
- Trumpets (C Tpt.):** I, II
- Trombones (Tbn.):** I, II, III
- Timpani (Timp.):**
- Percussion (Perc.):** I, II (Xylophone, Cymbal)
- Piano (Pno.):**
- Harp (Hp.):**
- Violins (Vln.):** I, II
- Viola (Vla.):**
- Violoncello (Vlc.):**
- Double Bass (D.B.):**

Key Features:

- Measures:** The score is divided into measures, with measure numbers 102, 103, 104, 105, 106, and 107 visible.
- Dynamics:** Various dynamics are indicated, including *fp* (fortissimo piano), *ff* (fortissimo), *f* (forte), *p* (piano), and *fff* (fortississimo).
- Performance Instructions:** Instructions like "ord" (order) and "sp" (soprano) are present.
- Artistic Markings:** There are several "umbrella" markings (a horizontal line with a downward-pointing umbrella) above the Violin I and II staves, indicating a change in articulation or phrasing.

Constellation

fff

Constellation

D.

星宿
 Constellation

120

Fl.

I.

ppp

sub.

II.

ppp

Ob.

I.

II.

Cl.

I.

II.

Bsn.

I.

II.

Hn.

I. III.

II. IV.

C Tpt.

I.

II.

Tbn.

I.

II.

III.

Tb.

Timp.

Perc.

I.

II.

Pno.

ppp

3

Hp.

Vln. I

ord

(div.)

120

ppp

sub.

Vln. II

Vla.

Vlc.

D.B.